

## Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

*This subsection includes:*

- **(a) Trees and Shrubs for Windbreak and Environmental Plantings**

Cole County, Missouri  
Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
15002: MCGIRK-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
60001: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
60003: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
60004: MENFRO-----	fragrant sumac	American plum; southern arrowwood; gray dogwood	Washington hawthorn; eastern redbud; eastern redcedar	northern red oak; green ash; tuliptree; white fir	eastern white pine
60005: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
60051: URBAN LAND-----	---	---	---	---	---
HARVESTER-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
60052: URBAN LAND-----	---	---	---	---	---
UDORTHENTS-----	---	---	---	---	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
64002: FREEBURG-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
64007: FREEBURG-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
64010: URBAN LAND-----	---	---	---	---	---
FREEBURG-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
64011: KLIEVER-----	---	---	---	---	---
64012: KLIEVER-----	---	---	---	---	---
64013: KLIEVER-----	---	---	---	---	---
64014: KLIEVER-----	---	---	---	---	---
66000: MONITEAU-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
66004: DOCKERY-----	---	---	---	---	---
66006: WALDRON-----	---	---	---	---	---

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	<8	8-15	16-25	26-35	>35
66009: HAYNIE-----	---	---	---	---	---
66010: SARPY-----	American plum; common lilac; fragrant sumac; gray dogwood	autumn olive; Washington hawthorn	blackjack oak; eastern redcedar; jack pine	eastern cottonwood	---
66026: BLAKE-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---
66027: HAYNIE-----	---	---	---	---	---
66028: LETA-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---
70023: ELDON-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---

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	<8	8-15	16-25	26-35	>35
70029: MOKO-----	---	---	---	---	---
ROCK OUTCROP-----	---	---	---	---	---
70046: SACVILLE-----	American cranberrybush; common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar; green ash	Austrian pine; pin oak; shortleaf pine	---
73012: GRAVOIS-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73035: GRAVOIS-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73040: MAPLEWOOD-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
73041: MAPLEWOOD-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---

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73042: NIANGUA-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
BARDLEY-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
73048: RUETER-----	common lilac; fragrant sumac	American plum; autumn olive; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
73050: ROCK OUTCROP-----	---	---	---	---	---
BARDLEY-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
73088: RUETER-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---

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73089: RUETER-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
73095: GRAVOIS-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73101: WRENGART-----	---	---	---	---	---
73112: GUNLOCK-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73250: GATEWOOD-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	---	---
MOKO-----	---	---	---	---	---
73251: GATEWOOD-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	---	---
MOKO-----	---	---	---	---	---

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73253: OCIE-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73254: OCIE-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73255: OCIE-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73256: ARKANA-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	---	---
73257: CANEYVILLE-----	---	---	---	---	---
73258: COTTON-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---

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73259: COTTON-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
73260: MAPLEWOOD-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
73261: WRENGART-----	---	---	---	---	---
73262: WRENGART-----	---	---	---	---	---
73263: WRENGART-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
74634: HARTVILLE-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	---	---
74659: DEIBLE-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak

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74678: RACOON-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
75376: CEDARGAP-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
75387: HACREEK-----	American plum; fragrant sumac; silky dogwood	blackhaw; gray dogwood	eastern arborvitae; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75399: JAMESFIN-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75415: JEMERSON-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75456: RACKET-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75457: URBAN LAND-----	---	---	---	---	---
JAMESFIN-----	---	---	---	---	---
75458: TANGLENOOK-----	---	---	---	---	---

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	<8	8-15	16-25	26-35	>35
99000: Pits, quarries-----	---	---	---	---	---
99001: Water-----	---	---	---	---	---
99012: URBAN LAND-----	---	---	---	---	---